

In the Claims

1-21 (canceled).

22 (currently amended): A method of controlling weeds, ~~plant pests~~, or plant pathogens comprising the application of a bioactive herbage (plant material) composition to: 1) soil, greenhouse growing media, or nursery growing media as an amendment; or 2) as top dressing for potted plants in amounts sufficient to control weeds, ~~plant pests~~, or plant pathogens, wherein said bioactive herbage is obtained from: a) *Monarda* spp.; b) *Chamaemelum* spp.; c) *Matricaria* spp.; d) *Chenopodium* spp; or e) various combinations of a), b), c), and d).

23 (previously presented): The method according to claim 22, wherein said bioactive herbage is obtained from *Monarda* spp. and is incorporated into soil, greenhouse growing media, or nursery growing media as an amendment.

24 (withdrawn): The method according to claim 22, wherein said bioactive herbage is obtained from *Chamaemelum* spp. and is incorporated into soil, greenhouse growing media, or nursery growing media as an amendment.

25 (withdrawn): The method according to claim 22, wherein said bioactive herbage is obtained from *Matricaria* spp. and is incorporated into soil, greenhouse growing media, or nursery growing media as an amendment.

26 (withdrawn): The method according to claim 22, wherein said bioactive herbage is obtained from *Chenopodium* spp. and is incorporated into soil, greenhouse growing media, or nursery growing media as an amendment.

27 (previously presented): The method according to claim 22, wherein said bioactive herbage composition comprises a mixture of bioactive herbage obtained from: a) *Monarda* spp.; b) *Chamaemelum* spp. and/or *Matricaria* spp.; and, optionally, d) *Chenopodium* spp. or epazote and is incorporated into soil, greenhouse growing media, or nursery growing media as an amendment.

28 (previously presented): The method according to claim 22, wherein said bioactive herbage composition contains dried bioactive herbage.

29 (previously presented): The method according to claim 22, wherein said bioactive herbage composition comprises additional bioactive herbage (plant material) and wherein said additional bioactive herbage is, optionally, dried.

30-42 (canceled):

43 (withdrawn): The method according to claim 22, wherein said bioactive herbage is obtained from *Monarda* spp. and is applied as top dressing for potted plants in amounts sufficient to control weeds, plant pests, or plant pathogens.

44 (withdrawn): The method according to claim 22, wherein said bioactive herbage is obtained from *Chamaemelum* spp. and is applied as top dressing for potted plants in amounts sufficient to control weeds, plant pests, or plant pathogens.

45 (withdrawn): The method according to claim 22, wherein said bioactive herbage is obtained from *Matricaria* spp. and is applied as top dressing for potted plants in amounts sufficient to control weeds, plant pests, or plant pathogens.

46 (withdrawn): The method according to claim 22, wherein said bioactive herbage is obtained from *Chenopodium* spp. and is applied as top dressing for potted plants in amounts sufficient to control weeds, plant pests, or plant pathogens.

47 (withdrawn): The method according to claim 22, wherein said bioactive herbage composition comprises a mixture of bioactive herbage obtained from *Monarda* spp., *Chamaemelum* spp. and/or *Matricaria* spp. and, optionally, *Chenopodium* spp. or epazote and is applied as top dressing for potted plants in amounts sufficient to control weeds, plant pests, or plant pathogens.

48 (previously presented): A method of controlling fungal pathogens comprising the application of a bioactive herbage (plant material) composition to soil, greenhouse growing media, or

nursery growing media as an amendment or as top dressing for potted plants in amounts sufficient to control a fungal pathogen selected from *Fusarium*, *Pythium*, *Rhizoctonia*, *Sclerotinia* or *Verticillium* species, wherein said bioactive herbage is obtained from: a) *Monarda* spp.; b) *Chamaemelum* spp.; c) *Matricaria* spp.; d) *Chenopodium* spp; or e) various combinations of a), b), c), and d).

49 (previously presented): The method according to claim 48, wherein said bioactive herbage is obtained from *Monarda* spp. and is incorporated into soil, greenhouse growing media, or nursery growing media as an amendment.

50 (withdrawn): The method according to claim 48, wherein said bioactive herbage is obtained from *Chamaemelum* spp. and is incorporated into soil, greenhouse growing media, or nursery growing media as an amendment.

51 (withdrawn): The method according to claim 48, wherein said bioactive herbage is obtained from *Matricaria* spp. and is incorporated into soil, greenhouse growing media, or nursery growing media as an amendment.

52 (withdrawn): The method according to claim 48, wherein said bioactive herbage is obtained from *Chenopodium* spp. and is incorporated into soil, greenhouse growing media, or nursery growing media as an amendment.

53 (previously presented): The method according to claim 48, wherein said bioactive herbage composition comprises a mixture of bioactive herbage obtained from *Monarda* spp., *Chamaemelum* spp. and/or *Matricaria* spp. and, optionally, *Chenopodium* spp. or epazote and is incorporated into soil, greenhouse growing media, or nursery growing media as an amendment.

54 (previously presented): The method according to claim 48, wherein said bioactive herbage composition contains dried bioactive herbage.

55 (previously presented): The method according to claim 48, wherein said bioactive herbage composition comprises additional bioactive herbage (plant material) and wherein said additional bioactive herbage is, optionally, dried.

56 (withdrawn): The method according to claim 48, wherein said bioactive herbage is obtained from *Monarda* spp. and is applied as top dressing for potted plants in amounts sufficient to control said fungal pathogen.

57 (withdrawn): The method according to claim 48, wherein said bioactive herbage is obtained from *Chamaemelum* spp. and is applied as top dressing for potted plants in amounts sufficient to control said fungal pathogen.

58 (withdrawn): The method according to claim 48, wherein said bioactive herbage is obtained from *Matricaria* spp. and is applied as top dressing for potted plants in amounts sufficient to control said fungal pathogen.

59 (withdrawn): The method according to claim 48, wherein said bioactive herbage is obtained from *Chenopodium* spp. and is applied as top dressing for potted plants in amounts sufficient to control said fungal pathogen.

60 (withdrawn): The method according to claim 48, wherein said bioactive herbage composition comprises a mixture of bioactive herbage obtained from *Monarda* spp., *Chamaemelum* spp. and/or *Matricaria* spp. and, optionally, *Chenopodium* spp. or epazote and is applied as top dressing for potted plants in amounts sufficient to control said fungal pathogen.

61 (new): The method according to claim 22, wherein said bioactive herbage has a particle size of about 1mm to 5 mm.

62 (new): A method of controlling plant pests comprising the application of a bioactive herbage (plant material) composition to: 1) soil, greenhouse growing media, or nursery growing media as an amendment; or 2) as top dressing for potted plants in amounts sufficient to control weeds, plant pests, or plant pathogens, wherein said bioactive herbage is obtained from: a) *Monarda* spp.; b) *Chamaemelum* spp.; c) *Matricaria* spp.; d) *Chenopodium* spp.; or e) various combinations of a), b), c), and d).

63 (new): The method according to claim 62, wherein said bioactive herbage composition comprises a mixture of bioactive herbage obtained from: a) *Monarda* spp.; b) *Chamaemelum* spp. and/or *Matricaria* spp.; and, optionally, d) *Chenopodium* spp. or epazote and is incorporated into soil, greenhouse growing media, or nursery growing media as an amendment.

64 (new): The method according to claim 62, wherein said bioactive herbage composition contains dried bioactive herbage.

65 (new): The method according to claim 62, wherein said bioactive herbage composition comprises additional bioactive herbage (plant material) and wherein said additional bioactive herbage is, optionally, dried.

66 (new): The method according to claim 62, wherein said bioactive herbage has a particle size of about 1mm to 5 mm.